Appendix D - Index Breakpoints

Pollutant & Brands/ Countries	Good									Extremely Severe
$PM_{2.5}$ (µg/m³)										
ATMO $PM_{2.5}$	0 - 20	21 - 50	51 - 90	91 - 140	141 - 200					
Kaiterra $PM_{2.5}$	0 - 12	12.1 - 35.4	35.5 - 55.4	55.5 - 150.4	150.5 - 250.4	250.5 - 500.4				
inBiot $PM_{2.5}$	0 - 12	12 - 35	35+							
RESET $PM_{2.5}$	0 - 15	15 - 35	35 - 120							
IQAir $PM_{2.5}$	0 - 9	9.1 - 35.4	35.5 - 55.4	55.5 - 125.4	125.5 - 225.4	225.5+				
uHoo $PM_{2.5}$	0 - 12	12 - 35	35+							
Awair $PM_{2.5}$	0 - 12	12 - 35	35 - 55	55 - 150	150+					
Airvoice $PM_{2.5}$	0 - 9	9 - 35	35+							
TAIL $PM_{2.5}$	< 10	≥ 10	no criteria	≥ 25						
Europe $PM_{2.5}$ 24-h	0 - 15	15 - 30	30 - 55	55 - 110	110+					
New Europe $PM_{2.5}$ 24-h	0 - 10	10 - 20	20 - 25	25 - 50	50 - 75	75 - 800				
China $PM_{2.5}$ 24-h	0 - 35	36 - 75	76 - 115	116 - 150	151 - 250	250 - 500				
India $PM_{2.5}$ 24-h	0 - 30	31 - 60	61 - 90	91 - 120	121 - 250	250+				
UK $PM_{2.5}$ 24-h	0 - 11	12 - 23	24 - 35	36 - 41	42 - 47	48 - 53	54 - 58	59 - 64	65 - 70	71+
USA $PM_{2.5}$5 24-h	0 - 9	9.1 - 35.4	35.5 - 55.4	55.5 - 125.4	125.5 - 225.4	225.5 - 325.4				
Canada $PM_{2.5}$ Index	No values									
GO IAQS $PM_{2.5}$	0 - 5	6 - 15	16 - 100							
CO_2 (ppm)										
ATMO CO_2	400 - 599	600 - 999	1000 - 1499	1500 - 2499	2500 - 4000					
Kaiterra CO_2	400 - 1000	1001 - 1500	1501 - 2000	2001 - 2500	2501 - 5000	5001 - 10000				
inBiot CO_2	400 - 800	800 - 1500	1500+							
RESET CO_2	400 - 600	600 - 800	800 - 2500							
AIRVALENT CO_2	400 - 1000	1000 - 1500	1500 - 2000	2000+						
Awair CO_2	400 - 600	600 - 1000	1000 - 2000	2000 - 4500	4500+					
uHoo CO_2	400 - 800	800 - 1500	1500+							
Airvoice CO_2	400 - 600	600 - 900	900+							
Aranet4 CO_2	420 - 1000	1000 - 1400	1400+							
TAIL CO_2	≤ 550	≤ 800	≤ 1350	If other quality levels cannot be achieved						
Europe EN13779	400 - 800	800 - 1000	1000 - 1400	1400+						
GO IAQS CO_2	400 - 800	801 - 1400	1401 - 5000							
CO (ppm)										
ATMO CO	0 - 1.7	1.8 - 8.7	8.8 - 10	10.1 - 15	15.1 - 30					
uHoo CO	0 - 9	9 - 35	35+							
inBiot CO	0 - 9	9 - 25	25+							
China CO 1-h	0 - 4.3	5.2 - 8.7	9.6 - 30.5	31.4 - 52.3	53.2 - 78.5	79.4 - 130.9				
India CO 8-h	0 - 0.87	0.96 - 1.75	1.83 - 8.73	8.82 - 14.84	14.84 - 29.68	29.68+				
US CO 8-h	0.0 - 4.4	4.5 - 9.4	9.5 - 12.4	12.5 - 15.4	15.5 - 30.4	30.5 - 50.4				
GO IAQS CO	0.0 - 5.0	5.1 - 9.0	9.1 - 31							

CH_2O (ppb)										
ATMO CH_2O	0 - 50	60 - 100	110 - 300	310 - 750	760 - 1000					
uHoo CH_2O	0 - 500	500 - 750	750+							
inBiot CH_2O	0 - 57	57 - 97	97+							
TAIL CH_2O	< 24.4	≥ 24.4	no criteria	≥ 81.4						
GO IAQS CH_2O	0 - 50	51 - 100	101 - 500							
O_3 (ppb)										
ATMO O_3	0 - 25	26 - 60	61 - 75	76 - 100	101 - 300					
Kaiterra O_3	20 - 50	51 - 100	101 - 165	166 - 205	206 - 405	406 - 605				
uHoo O_3	0 - 70	70 - 125	125+							
inBiot O_3	0 - 51	51 - 122	122+							
Europe O_3 1-h	0.0 - 30.6	30.6 - 61.2	61.2 - 91.8	91.8 - 122.4	122.4+					
New Europe O_3 1-h	0.0 - 25.5	25.5 - 51.0	51.0 - 66.3	66.3 - 122.4	122.4 - 193.9	193.9 - 408.2				
China O_3 8-h	0.0 - 51.0	51.5 - 81.6	82.1 - 109.6	110.1 - 135.1	135.6 - 408					
India O_3 8-h	0.0 - 25.1	25.6 - 50.2	50.7 - 84.3	84.8 - 104.4	104.9 - 375.3	375.3+				
UK O_3 8-h	0.0 - 16.8	17.3 - 33.7	34.2 - 51.0	51.5 - 61.2	61.7 - 71.4	72.0 - 81.6	82.1 - 95.4	95.9 - 108.7	109.2 - 122.4	123.0+
US O_3 8-h	0 - 54	55 - 70	71 - 85	86 - 105	106 - 200					
GO IAQS O_3	0 - 50	51 - 100	101 - 300							
NO_2 (ppb)										
uHoo NO_2	0 - 53	53 - 100	100+							
Europe NO_2 1-h	0.0 - 26.6	26.6 - 53.1	53.1 - 106.3	106.3 - 212.5	212.5+					
New Europe NO_2 1-h	0.0 - 21.3	21.3 - 47.9	47.9 - 63.8	63.8 - 122.3	122.3 - 180.9	180.9 - 531.9				
China NO_2 1-h	0.0 - 53.1	53.7 - 106.3	106.8 - 372.0	372.5 - 637.7	638.2 - 1243.5	1244.0 - 2040.6				
India NO_2 24-h	0.0 - 21.3	21.8 - 42.6	43.1 - 95.7	96.3 - 148.9	149.5 - 212.8	212.8+				
UK NO_2 1-h	0.0 - 35.6	36.2 - 71.3	71.8 - 106.4	106.9 - 142.0	142.6 - 177.7	178.2 - 212.8	213.3 - 248.4	248.9 - 284.0	284.6 - 319.1	319.7+
US NO_2 1-h	0 - 53	54 - 100	101 - 360	361 - 649	650 - 1249	1250 - 2049				
GO IAQS NO_2	0 - 30	31 - 100	101 - 250							
Rn (Bq/m³)										
Airthings Rn	0 - 100	100 - 150	150+							
aranet Rn	0 - 100	100 - 300	300+							
TAIL Rn	< 100	≥ 100	no criteria	≥ 300						
GO IAQS Rn	0 - 100	101 - 150	151 - 300							

Breakpoints: Global Open Indoor Air Quality Standards Index (GO IAQS Index)